

### For Ammonia (R717) and Other Refrigerants

#### FEATURES

- Standard design in 6", 8", 10" and 12" stocked for quick shipment
- Custom designed oil pots in both horizontal and vertical orientation are available
- All oil pots Certified to ASME Code Section VIII, Div. 1 to -50°F and 400PSI

#### AVAILABLE OPTIONS

- Isolation valves for the inlet, equalizing (vent) and drain lines
- Self-closing (deadman) drain valves
- Relief valves
- Carbon steel construction is standard. Stainless steel construction is also available.
- Internal electric heaters
  - 1 kW (6" & 8" Oil Pots)
  - 1.5 kW (10" Oil Pots)
  - 2 kW (12" Oil Pots)
  - 120V, 240V and 480V available
- Other pressure and temperature ratings available

#### DESIGN FUNCTION

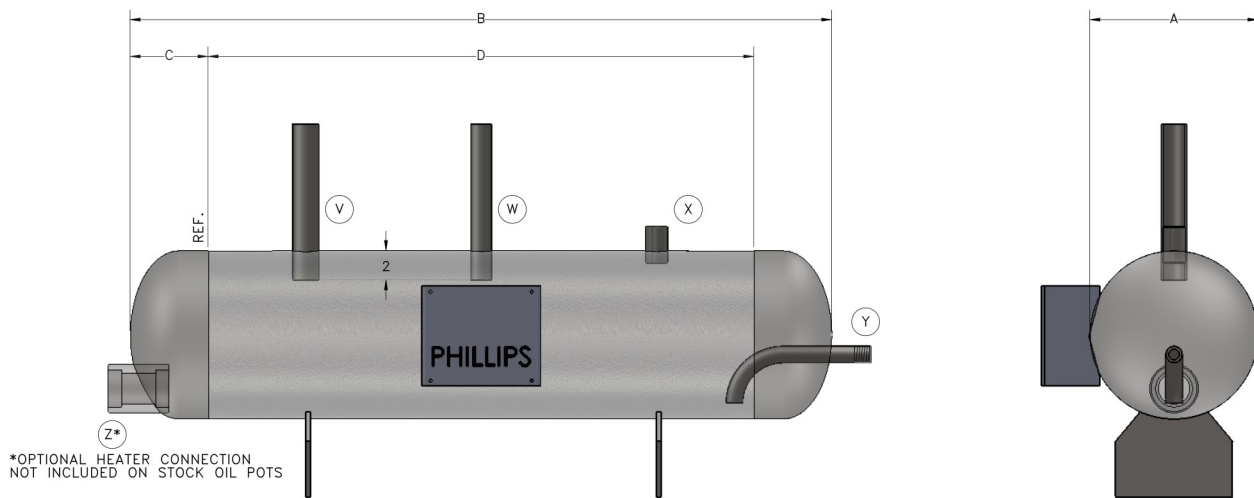
Phillips oil pots are small ASME Code certified pressure vessels designed to collect the mixture of oil and ammonia that typically accumulates in the bottom of a large pressure vessel, such as a low pressure receiver. An equalizing line vents pressure from the oil pot to the upper vapor portion of the larger vessel above to allow for easy drainage. Standard design utilizes internal projection of both the inlet and equalizing nozzles to guarantee a vapor space to allow for liquid expansion. Isolation valves for the inlet and vent lines are available for order. A separate relief line connects the oil pot to the required relief valves, which Phillips can also supply. Globe and self-closing (deadman) drain valves are also available to facilitate oil removal from the oil pot.

Phillips recommends adherence to the IIAR Oil Draining Guidelines which include:

- Use protective clothing and equipment
- Never apply heat externally to an oil pot. Use internal heaters if necessary.
- Observe lockout/tag out procedures when isolating the oil pot.
- Never isolate an oil pot that is not properly equipped with a safety pressure relief device.
- Properly operate the oil drain and self-closing (deadman) valves



# ENGINEERING DATA



	A	B	C	D	V	W	X	Y	Z	
Model No.	Dia.	OAL	Head	Shell	Inlet	Vent	Relief	Drain	Heater*	Est. Ship Wt (lbs.)
6P	6	36	3½	29	1	¾	½	½	1	75
8P	8	36	4	28	1	¾	½	½	2	90
10P	10	36	5	26	1¼	¾	½	½	2	110
12P	12	36	5½	25	1¼	1	½	½	2	130

\* Optional heater connection - not included on stock oil pots

## Ordering Instructions:

When ordering, please specify a model number from table above and the suffix for the desired options.

### Option Suffixes:

**PA — Oil pot only**

**PB\* — Oil pot with 250 PSI Relief Valve**

**PC\* — Oil pot with 250 PSI Relief Valve, Inlet & Vent Globe Valves, Drain Globe and Self-Closing (deadman) Valves**

\* Other relief valve pressure settings available

Example: 8" x 36" stock oil pot with all accessories: 8PC